

CONTRACT DATA REQUIREMENTS LIST

(2 Data Items)

FORM APPROVED
OMB NO. 0704-0188

PUBLIC REPORTING BURDEN FOR THIS COLLECTION OF INFORMATION IS ESTIMATED TO AVERAGE 440 HOURS PER RESPONSE, INCLUDING THE TIME FOR REVIEWING INSTRUCTIONS, SEARCHING EXISTING DATA SOURCES, GATHERING AND MAINTAINING THE DATA NEEDED AND COMPLETING AND REVIEWING THE COLLECTION OF INFORMATION. SEND COMMENTS REGARDING THIS BURDEN ESTIMATE OR ANY OTHER ASPECT OF THIS COLLECTION OF INFORMATION, INCLUDING SUGGESTIONS FOR REDUCING THIS BURDEN TO DEPT. OF DEFENSE, WASHINGTON HEADQUARTERS SERVICES, DIRECTORATE FOR INFORMATION OPERATIONS AND REPORTS, 1215 JEFFERSON DAVIS HWY., SUITE 1204, ARLINGTON, VA. 22202-4302, AND TO THE OFFICE OF MANAGEMENT AND BUDGET, PAPERWORK REDUCTION PROJECT (0704-0188), WASH. DC 20503. PLEASE **DO NOT RETURN** YOUR FORM TO EITHER OF THESE ADDRESSES. SEND COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PR NO. LISTED IN BLOCK E.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TDP TM OTHER	
D. SYSTEM/ITEM 9C 1615 00-159-8325		E. CONTRACT/ PR. NO.		F. CONTRACTOR	
1. DATA ITEM NO. 1	2. TITLE OF DATA ITEM CERTIFICATION DATA REPORT			3. SUBTITLE COMPLETE PROCESS OF SHEETS	
4. AUTHORITY (Data acquisition document No.) DI-MISC-80678/T1		5. CONTRACT REFERENCE		6. REQUIRING OFFICE DEFENSE SUPPLY CENTER RICHMOND	
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQ	12. DATE OF FIRST SUBMISSION SEE BLOCK #16		
8. APP CODE A		11. AS OF DATE AS REQ	13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK #15		
16. REMARKS PARA. 10.1, 10.2, 10.2.1, 10.2.2, 10.2.4, 10.2.5 SHALL APPLY * UPON SUBMISSION OF FIRST ARTICLE/ PRODUCTION LOT TEST SAMPLE (s) ** IF PROCESS OPERATION SHEETS CHANGE AFTER SUCCESSFUL COMPLETION OF FAT/ PLT.				14. DISTRIBUTION	
				b. COPIES	
				a. ADDRESSEE	
				Draft Final	
				Reg Repro	
				DCMC / ACO * 1/0	
				DCMC / QAR ** 1/0	
				PCO 1/0	
15. TOTAL				3/0	
1. DATA ITEM NO. 2	2. TITLE OF DATA ITEM CERTIFICATION DATA REPORT			3. SUBTITLE COMPLETE INSPECTION METHOD SHEETS	
4. AUTHORITY (Data acquisition document No.) DI-MISC-80678/T2		5. CONTRACT REFERENCE		6. REQUIRING OFFICE DEFENSE SUPPLY CENTER RICHMOND	
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQ	12. DATE OF FIRST SUBMISSION SEE BLOCK #16		
8. APP CODE A		11. AS OF DATE AS REQ	13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK #16		
16. REMARKS PARA. 10.1, 10.2, 10.2.1, 10.2.2, 10.2.4, 10.5 SHALL APPLY * UPON SUBMISSION OF FIRST ARTICLE / PRODUCTION LOT TEST SAMPLE (s) ** AT TIME OF CONTRACT COMPLETION.				14. DISTRIBUTION	
				b. COPIES	
				a. ADDRESSEE	
				Draft Final	
				Reg Repro	
				DCMC / ACO * 1/0	
				DCMC / QAR ** 1/0	
				PCO 1/0	
15. TOTAL					
G. PREPARED BY John D. Leighty		H. DATE		I. APPROVED BY John D. Leighty	
				J. DATE	

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A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TDP TM OTHER			
D. SYSTEM/ITEM 9C 1615 00-159-8325		E. CONTRACT/PR. NO.		F. CONTRACTOR			
1. DATA ITEM NO. 3	2. TITLE OF DATA ITEM REQUEST FOR WAIVER			3. SUBTITLE			
4. AUTHORITY (Data acquisition document No.) DI-CMAN-80640B		5. CONTRACT REFERENCE		6. REQUIRING OFFICE DEFENSE SUPPLY CENTER RICHMOND			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQ	12. DATE OF FIRST SUBMISSION				
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION				
16. REMARKS				14. DISTRIBUTION			
				a. ADDRESSEE		b. COPIES	
					Draft	Final	
					Reg	Repro	
				DCMC / ACO		1/0	
				DCMC / QAR		1/0	
				PCO		1/0	
1. DATA ITEM NO. 4		2. TITLE OF DATA ITEM REQUEST FOR DEVIATION		3. SUBTITLE			
4. AUTHORITY (Data acquisition document No.) DI-CMAN-80641B		5. CONTRACT REFERENCE		6. REQUIRING OFFICE DEFENSE SUPPLY CENTER RICHMOND			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQ	12. DATE OF FIRST SUBMISSION				
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION				
16. REMARKS				14. DISTRIBUTION			
				a. ADDRESSEE		b. COPIES	
					Draft	Final	
					Reg	Repro	
				DCMC / ACO		1/0	
				DCMC / QAR		1/0	
				PCO		1/0	
G. PREPARED BY John D. Leighty		H. DATE		I. APPROVED BY John D. Leighty			
				J. DATE			

(1 Data Item)

Form Approved
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Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer of the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO. B. EXHIBIT C. CATEGORY:
TOP _____ TM _____ OTHER _____

D. SYSTEM/ITEM
9C 1615 00-159-8325 E. CONTRACT/PR F. CONTRACTOR

1. DATA ITEM 2. TITLE OF DATA ITEM 3. SUBTITLE
5 CERTIFICATION DATA / REPORTS

4. AUTHORITY (Data Acquisition) 5. CONTRACT REFERENCE 6. REQUIRING OFFICE
DI-MISC-80678/T3 DEFENSE SUPPLY CENTER RICHMOND

7. DD 250 REQ LT 9. DIST STATEMENT REQUIRED 10. FREQUENCY AS REQ 12. DATE OF FIRST SUBMISSION SEE BLOCK 16* 14. DISTRIBUTION
8. APP CODE A 11. AS OF DATE AS REQ 13. DATE IF SUBSEQUENT SEE BLOCK 16* a. ADDRESSEE b. COPIES
Draft Final
Reg Repro

PARA. 10.1,10.2,10.2.1,10.2.2,10.2.4,10.5 APPLY

BLOCK#12 -UPON SUBMITTAL OF FIRST ARTICLE SAMPLE (S)
AND/OR PRODUCTION LOT SAMPLE.

BLOCK #3-SEPERATE REPORTS SHALL BE PROVIDED FOR THE
BELOW LISTED SUB TITLES. CERTIFICATION REPORTS FOR PRIME
PROCESS AND MATERIAL SPECIFICATIONS SHALL INCLUDE
CERTIFICATION THAT ALL VENDORS PREFORMING THESE PROCESSES
ARE PRIME (OEM) (78286)Sikorsky Aircraft APPROVED SOURCES.

BLOCK #5 - CONTRACT REFERENCE: P/N:653351-11568-102
Material: Make from 65351-11141-007 forging Pyrowear 53 per AMS 6308 & SS9706
supplied normalized, 319HB to 371HB. Forging shall be I.A.W. mil-F-7190B (1)
Splines per SES 500020
Finish Grinding per SS 8705
Magnetic Particle insp. per ASTM E1444
Cadmium plate per QQ-P-416F (2)
After plating bake per SS8407
Carberize areas indicated per SS8015 and note # 3 of drawing
Application of corrosion protection during processing per SS8540

These certifications are required at First Article Testing or contract completion if testing
is waived.

5. PREPARED BY H. DATE I. APPROVED BY J. DATE
John D. Leighty *John D. Leighty pg 3 of 3*

DD Form 1423-1, JUN 90

Previous editions are obsolete.

1007/183

S/N 0102-LF-010-5500

17. PRICE GROUP

18. ESTIMATED
TOTAL PRICE

QUALITY ASSURANCE PROVISIONS

C-321: SPECIFICATION

NSN: 9C 1615 00-159-8325

P/N: (78286) 65351-11568-102

NOMEN: Cam Shaft Assy., Input Section-Main Gear Box

Articles to be furnished hereunder shall be manufactured, tested and inspected in accordance with drawing number (78286) 65351-11568-102 Rev. "L", or latest revision and all details and specifications referenced therein.

I. Quality/Inspection Requirements

- A. MIL-I-45208 or ISO 9000 equivalent applies:
- B. First Article Testing applies:
- C. Mandatory Inspection applies: Refer to contract section C.
- D. Production Lot Testing Applies

II. Supplemental Requirements

A. Additionally, para. 3.1-3.5, 5.1-5.2, 6.1-6.2 of MIL-Q-9858 or ISO 9000 equivalent apply.

B. The contractor shall identify on the process/operation sheets all manufacturing sources performing processes/operations outside of their facilities. These sheets shall not be revised or altered after the successful completion of First Article and/or Production

Lot Testing without approval from the Engineering Support Activity (ESA), via the PCO.

C. The Inspection Method Sheets which list the characteristics of each item produced under the contract shall have serial number traceability to the raw material, casting, or forging. In addition, the contractor is responsible for providing completed inspection method sheets showing the actual dimensions taken

D. Markings should be in accordance with MIL-STD-130 Rev. "J" paragraph 5.3.3(a), (b), (c), and (g). Method and location shall be in accordance with the drawing.

III. Mandatory Inspection Requirements

During production, mandatory inspection is required to be accomplished by the contractor, as follows:

- A. Level of Inspection (LOI):

- 1) Critical Characteristics: 100% inspection shall apply.
- 2) Major and Minor Characteristics - LOI shall be in accordance with a sampling plan acceptable to the QAR.

B. Critical Characteristics:

DRAWING 65351-11568-102 (make from 65351-11141-007 Pyrowear 53 per AMS 6308 & SS9706 supplied normalized, 319HB to 371HB)

Critical Characteristics: (Shall be defined as below, unless defined by the prime contractor(Sikorsky Aircraft))

1) Zone 1C

Note #10: Parts rejected for non-conformance to this tolerance shall be scrapped. No MRB or other action permitted.

2) Zone 1C

note # 19 Parts rejected for non-conformance to this tolerance over 20% of the feature area shall be scrapped. No MRB or other actions permitted.

3) Zone 4G

Surface texture to be maintained 20 microinch finish in direction of rotation.

4) Zone 5E

ream .0645/.0630 dia. thru (2 holes)

5) Zone 8C

7.767-18 thd. NS-3A per Mil-S-7742D (1)

6) Zone 8C

1.706/1.726 dia. *note # 10 applies*

7) Zone 9C

1.7721/1.7726 dia. to be maintained concentric to datum -A- within .001 T.I.R.

8) Zone 7G

Serrate this length 1.750 P/D 80/160 (*see external serration data block zone 12B*)

9) Zone 8G

This surface is to be maintained perpendicular to datum -A- within .002

10) Zone 9F

datum -A- 2.9534/2.9538 dia.

11) Zone 9G

3.373/3.375 dia. is to be maintained concentric to datum -A- within .001 T.I.R.

12) Zone 9H

2.250/2.265 dia. *note # 10 applies.*

13) Zone 10F

2.9534/2.9538 dia. to be maintained concentric to datum -A- within .001 T.I.R.

14) Zone 11F

2.9360/2.9370 dia. to be maintained concentric to datum -A- within .001 T.I.R.

15) Zone 11C

External Spline is to be maintained to the requirements of the *External Spline Data Block* located in zone 12A note #19 applies to these requirements.

16) Zone 12F

2.625-16 UN-3A thd. per Mil-S-7742D (1)

17) Zone 1E

Note #7: Fourteen flats eq. spaced and parallel to Datum -A- within .0002 . Max. variation in dimension "D" to be .001 T.I.R. and not to exceed .0003 for any two adjacent flats

C. Major and Minor Characteristics:

- 1) Shall be defined by the contractor subject to QAR concurrence, unless defined on applicable drawings and associated specifications.

IV. Unless expressly provided for elsewhere in this Clause, equipment such as fixtures, jigs, dies, patterns, templates, mylars, special tooling, test equipment, or any other manufacturing aid required for the manufacture and/or testing of the subject items will not be provided by the Government or any other source and is the sole responsibility of the Government or any other source and is the sole responsibility of the contractor. The foregoing applies notwithstanding any reference to such equipment or the furnishing thereof that may be contained in any drawing.

PRODUCTION LOT TESTING (GOVERNMENT TESTING)

A. The Production Lot Samples shall be:

1. Selected at random by the cognizant government QAR. Such sample(s) shall be submitted via the cognizant government inspector, all transportation charges prepaid by the contractor to:

NAVANDEPOT CHERRY POINT
Attn: Betty Lupton, code 6.3.674
PSC Box 8021
MCAS Cherry Point, NC 28533

2. The samples shall be identified by contract number, lot number, and be clearly marked as follows:

PRODUCTION LOT TEST SAMPLES
NOT R.F.I. MATERIAL
DO NOT TAKE UP IN STOCK

B. Such samples shall be delivered to the testing facility in sufficient time prior to the delivery date of the production articles to allow a 60 day period for testing and written notification by the contracting officer of the approval or disapproval of the samples. Within 90 days of the receipt of the samples, the testing facility shall notify contracting officer, PCO /ACO of the results of the testing, together with the recommendation for approval or disapproval.

C. In the event the contractor does not receive written notification of approval or disapproval of the samples for a particular lot within 60 days from their submission for such testing, the contract delivery schedule shall be equitably adjusted as necessary.

D. If the contractor fails to deliver any Production Lot Samples for testing within the time or times specified, or if the contracting officer disapproves any Production Lot Samples, the contractor shall be deemed to have failed to make delivery within the meaning of the default clause of this contract, and this contract shall be subject to termination for default.

E. In order for a Production Lot to be acceptable, all samples representative of the lot must pass all the contract requirements. In the event a sample fails to pass such requirements, the lot will be rejected. In such event, the government may, at its option and at no additional cost to the government, (I) terminate all or any portion of this contract for default, (II) require the manufacture of a new Production Lot, or a rework of the rejected Production Lot if the means and procedures by the contractor for rework are acceptable to the government, or (III) require

the submission of additional samples for test. The foregoing procedures shall apply to new or reworked Production Lots in the same way as they did to the original Production Lot.

F. For each additional sample or each resubmission of a modified sample which the contractor is required to submit for approval hereunder as a result of a failure of a previous sample to conform to the requirements of the specification, the contractor shall pay to the government the costs of reinspection, examination and retesting and the contractor and his sureties (if any) shall be liable for the amount of such costs.

G. Nothing contained in the foregoing provisions of this clause, and no action of the government in accordance herewith, shall in any way prejudice the right of the government under the clause of this contract entitled Default.